

Anti-CXCR2 Antibody
Catalog # ABO10522**Specification**

Anti-CXCR2 Antibody - Product Information

Application	WB
Primary Accession	P25025
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for C-X-C chemokine receptor type 2(CXCR2) detection. Tested with WB in Human;Mouse;Rat.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-CXCR2 Antibody - Additional Information

Gene ID 3579

Other Names

C-X-C chemokine receptor type 2, CXC-R2, CXCR-2, CDw128b, GRO/MGSA receptor, High affinity interleukin-8 receptor B, IL-8R B, IL-8 receptor type 2, CD182, CXCR2, IL8RB

Calculated MW

40759 MW KDa

Application Details

Western blot, 0.1-0.5 µg/ml, Human, Mouse, Rat

Subcellular Localization

Cell membrane; Multi-pass membrane protein.

Protein Name

C-X-C chemokine receptor type 2(CXC-R2/CXCR-2)

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Thimerosal, 0.05mg NaN₃.

Immunogen

A synthetic peptide corresponding to a sequence in the middle region of human CXCR2(196-212aa CYEDMGNNNTANWRMLLR), different from the related mouse sequence by six amino acids.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Sequence Similarities

Belongs to the G-protein coupled receptor 1 family.

Anti-CXCR2 Antibody - Protein Information

Name CXCR2

Synonyms IL8RB

Function

Receptor for interleukin-8 which is a powerful neutrophil chemotactic factor (PubMed:1891716). Binding of IL-8 to the receptor causes activation of neutrophils. This response is mediated via a G- protein that activates a phosphatidylinositol-calcium second messenger system (PubMed:8662698). Binds to IL-8 with high affinity. Also binds with high affinity to CXCL3, GRO/MGSA and NAP-2.

Cellular Location

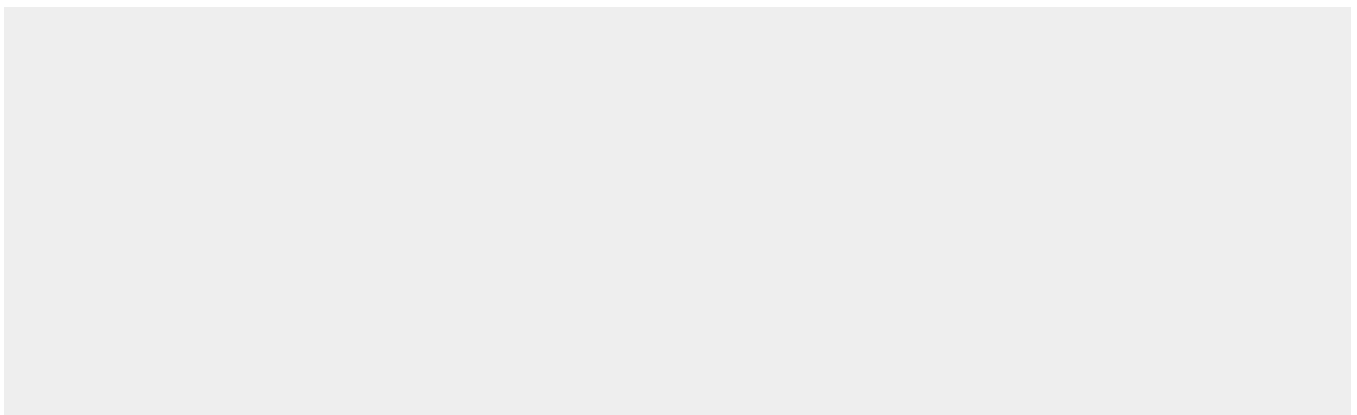
Cell membrane; Multi-pass membrane protein.

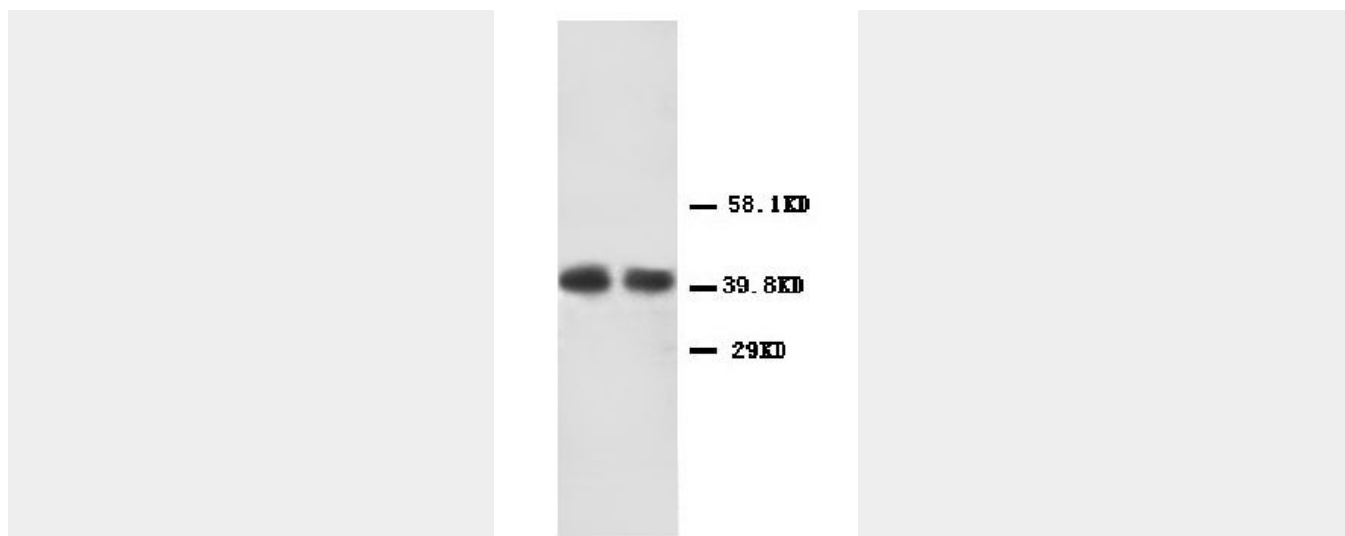
Anti-CXCR2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

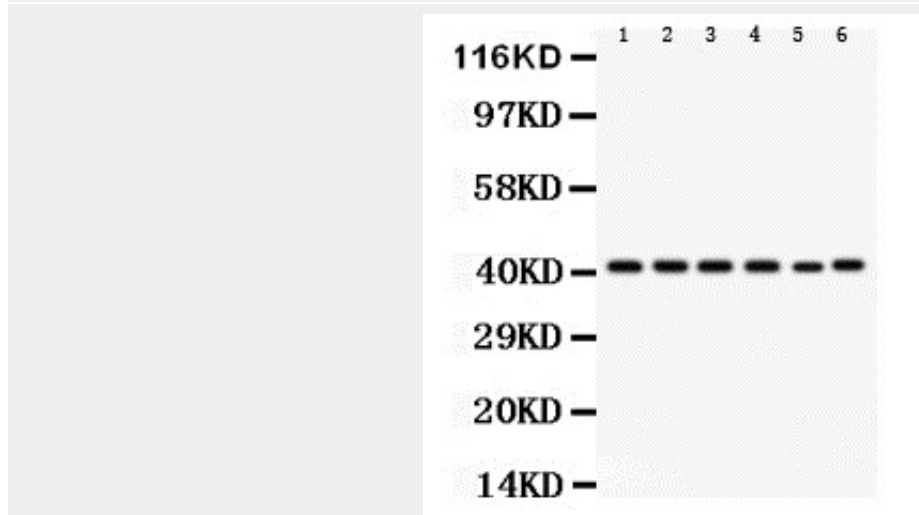
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-CXCR2 Antibody - Images





Anti-CXCR2 antibody, ABO10522, Western blotting
Lane 1: Human Rectal Cancer Tissue Lysate
Lane 2: Human Rectal Cancer Tissue Lysate



Anti- CXCR2 antibody, ABO10522, Western blotting
All lanes: Anti CXCR2(ABO10522) at 0.5ug/ml
Lane 1: Rat Spleen Tissue Lysate at 50ug
Lane 2: Rat Kidney Tissue Lysate at 50ug
Lane 3: Rat Brain Tissue Lysate at 50ug
Lane 4: Mouse Testis Tissue Lysate at 50ug
Lane 5: HEPA Whole Cell Lysate at 40ug
Lane 6: Mouse Brain Tissue Lysate at 50ug
Predicted bind size: 41KD
Observed bind size: 41KD

Anti-CXCR2 Antibody - Background

CXCR2 is a receptor for Interleukin 8, which is a powerful neutrophil chemotactic factor. It is a member of the GPCR family(subfamily, chemokine). Binding of IL8 to the receptor causes activation of neutrophils. This response is mediated via a G-protein that activate a phosphatidylinositol-calcium second messenger system. This receptor binds to IL8 with a high affinity and to GRO/MGSA and NAP2 also with a high affinity. It has been reported to be expressed in a wide variety of tissues. ESTs have been isolated from human placenta and thymus libraries.